

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended) A digital broadcasting system for transmitting and receiving, via a network, a broadcast stream created from a broadcast source, the broadcast source including that includes image and audio data and being used for broadcasting, said digital broadcasting system comprising:

a coding unit operable to code a broadcast the broadcast source based depending on a characteristic of the broadcast source and operable to generate a first layer code and a second layer code from the coded broadcast source, the first layer code and the second layer code, respectively, being able to be used for reproduction of the broadcast source;

a synthesizing unit operable to generate data bursts, each of the generated data bursts including which includes the generated first layer code and second layer code;

a multiplexing unit operable to create a broadcast the broadcast stream by multiplexing the generated data bursts;

a transmitting unit operable to transmit the created broadcast stream to the network;

a receiving unit operable to receive the transmitted broadcast stream;

a decoding unit operable to extract, from the received broadcast stream, at least one of the first layer code and the second layer code; and

a reproducing unit operable to reproduce the broadcast source using the at least one of the first layer code and the second layer code extracted by said decoding unit code.

Claim 2 (Currently Amended) The digital broadcasting system according to Claim 1, wherein the broadcast source includes content data for each service of a plurality of services,

wherein said digital broadcasting system further comprises:

_____ a clocking unit operable to keep time; and

_____ a prediction window generating unit operable to generate a prediction window signal that indicates a time at which a target data burst to be received appears in the broadcast stream, the time indicated by the prediction window signal being specified by the said clocking unit, and

wherein said receiving unit is operable to receive, from the received broadcast stream, only a data burst that corresponds to content data of one service of the plurality of services, in the broadcast stream, and only while the prediction window signal is in an active state.

Claim 3 (Currently Amended) The digital broadcasting system according to Claim 2,

wherein said receiving unit is further operable to control a power supply for the reception of the data burst that corresponds to the content data of the one service, such so that the power supply increases only while the prediction window signal is in the active state.

Claim 4 (Currently Amended) The digital broadcasting system according to Claim 2,

wherein said synthesizing unit is further operable to add burst time information into each of the generated data bursts, the burst time information added into one generated data burst of the generated data bursts indicating a time at which a next data burst, of the generated data bursts, to be received appears in the broadcast stream, and

wherein said prediction window generating unit is operable to determine a timing at which the prediction window signal turns into the active state and a window width of the prediction window signal, according to the burst time information added into the data burst.

Claim 5 (Currently Amended) The digital broadcasting system according to Claim 4,
wherein said receiving unit includes a time-keeping unit operable to keep a reference
time of said digital broadcast system, and
wherein said time-keeping unit is operable to correct the reference time according to the
burst time information.

Claim 6 (Currently Amended) The digital broadcast system according to Claim 2,
wherein said prediction window generating unit is ~~further~~ operable to expand a window
width of the prediction window signal by a predetermined length of time ~~when-in the case where~~
said receiving unit cannot receive a whole signal of the target data burst.

Claim 7 (Currently Amended) The digital broadcast system according to Claim 2,
wherein said synthesizing unit is ~~further~~ operable to add, to each data burst of the
generated data bursts, at least one error correction code for correcting a code error ~~that which~~
occurs when the broadcast stream is transmitted.

Claim 8 (Currently Amended) The digital broadcast system according to Claim 7,
wherein the at least one error correction code is codes are added to the first layer code
and the second layer code individually, and
wherein a correction capability of the error correction code added to the second layer
code is higher than a correction capability of the error correction code added to the first layer
code.

Claim 9 (Currently Amended) A transmission apparatus for use in a digital broadcasting system for transmitting and receiving, via a network, a broadcast stream created from a broadcast source, the broadcast source including that includes image and audio data and is being used for broadcasting, said transmission apparatus comprising:

a coding unit operable to code a broadcast the broadcast source based depending on a characteristic of the broadcast source and operable to generate a first layer code and a second layer code from the coded broadcast source, the first layer code and the second layer code, respectively, being able to be used for reproduction of the broadcast source;

a synthesizing unit operable to generate data bursts, each of the generated data bursts including which includes the generated first layer code and second layer code;

a multiplexing unit operable to create a broadcast the broadcast stream by multiplexing the generated data bursts; and

a transmitting unit operable to transmit the formed created broadcast stream to the network.

Claim 10 (Currently Amended) A reception apparatus for use in a digital broadcasting system for transmitting and receiving, via a network, a broadcast stream created from a broadcast source, the broadcast source including that includes image and audio data and is being used for broadcasting, said reception apparatus comprising:

a receiving unit operable to receive a broadcast the broadcast stream via the network;

a decoding unit operable to extract, from the received broadcast stream, at least one of a first layer code and a second layer code, the first layer code and the second layer code (i) being

which are generated from the broadcast source that has been coded based depending on a characteristic of the broadcast source, and (ii) which can respectively being be used for reproduction of the broadcast source; and

a reproducing unit operable to reproduce the broadcast source using the at least one of the first layer code and the second layer code extracted by said decoding unit-eode.

Claim 11 (Currently Amended) A transmission and reception method for use in a digital broadcasting system for transmitting and receiving, via a network, a broadcast stream created from a broadcast source, the broadcast source including that includes image and audio data and being is used for broadcasting, said transmission and reception method comprising:

coding a broadcast the broadcast source based depending on a characteristic of the broadcast source and generating a first layer code and a second layer code from the coded broadcast source, the first layer code and the second layer code, respectively, being able to be used for reproduction of the broadcast source;

generating data bursts, each of the generated data bursts including which includes the generated first layer code and second layer code;

creating a broadcast the broadcast stream by multiplexing the generated data bursts;

transmitting the created broadcast stream to the network;

receiving the transmitted broadcast stream;

extracting, from the received broadcast stream, at least one of the first layer code and the second layer code; and

reproducing the broadcast source using the at least one of the first layer code and the second layer code extracted by said extracting-eode.